

Comparison Table

Series	Model	Chipset	Size (mm)	Sensitivity		Power		Interface	Features										
				Acquisition (dBm)	Tracking (dBm)	Acquisition (mA)	Tracking (mA)		SMD Stamp	Antenna Advisor	External Antenna	Patch Antenna	RTCM	TCXO & AGPS	1PPS	EASY	Int. Canceller	Advance Sync	Always Locate
Standalone	SL3C	MT3339	11.5 x 13 x 2.1	-148	-165	25	20	2 TTL	★	★	★	★	★	★	★	★	★	★	★
	Gmm-g3	MT3333	11.5 x 13 x 2.1	-148	-165	35	29	2 TTL	★	★	★	★	★	★	★	★	★	★	★
	Gmm-u2p	MT3339	9 x 12.7 x 2.2	-148	-165	19	15	2 TTL	★	★	★	★	★	★	★	★	★	★	★
	Gmm-r1	MT3337	9.7 x 10.0 x 2.1	-148	-165	19	15	1 TTL	★	★	★	★	★	★	★	★	★	★	★
Antenna	Gms-g9	MT3333	19.5 x 19.5 x 7.5	-148	-165	35	29	2 TTL	★	★	★	★	★	★	★	★	★	★	★
	PA6C	MT3339	16 x 16 x 6.2	-148	-165	25	20	1 TTL	★	★	★	★	★	★	★	★	★	★	★
Chip Antenna	PA6H	MT3339	16 x 16 x 4.7	-148	-165	25	20	1 TTL	★	★	★	★	★	★	★	★	★	★	★
	Gms-g6a	MT3333	16 x 16 x 2.1	-148	-165	35	29	1 TTL	★	★	★	★	★	★	★	★	★	★	★
	Gms-u6b	MT3339	16 x 16 x 2.1	-148	-165	25	20	1 TTL	★	★	★	★	★	★	★	★	★	★	★

Hardware & Software Services

GlobalTop GPS modules support a wide variety of software solutions and customization features that enhance GPS receiving functionality, save power, and increase efficiency. We can tailor made GPS module that best fits your needs and elevates your design experiences.

Hardware Services:

- Design & Interference Check
- Evaluation Kit

Software Services:

- Complete AGPS Protocol, Customized Binary Protocol, 1 Sentence Output,
- Geofencing, Distance Calculation, Last Position Retention, and much more.



About GlobalTop

GlobalTop Technology is the professional name in GPS module design and manufacturing since 2006. With the backing of talented RF system design team and the direct support from GPS IC designer Mediatek Technology, GlobalTop Technology has become the number 1 GPS module manufacturer in Taiwan through remarkable quality, dedicated customer support and versatile software customization services. GlobalTop Technology is based in Taiwan Science Park and has distributors worldwide. For more information, please visit GlobalTop's website at <http://www.gtop-tech.com> or email us at sales@gtop-tech.com



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GlobalTop Technology

2013 GPS Module Catalogue



We Make GPS Smarter.



www.gtop-tech.com

MT3339 Series Modules

Gmm-u2p



GlobalTop MT3339 GPS module is a world's first GPS module utilizing the best MTK technology, designed for maximum power saving and fastest TTFF in the smallest form factor.

9 mm
x
12.7 mm

Ultra Small Form Factor

Ultra small form factor with everything included. Perfect for mobile devices.



Active Interference Canceller

Multi-tone active interference canceller rejects external RF interference and cancels up to 12 independent channels



Ultra Low Power

Tracking: 19mA typical @3.3V
Acquisition: 15mA typical @3.3V

Other Models:

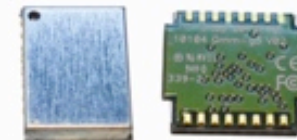
SL3C
(Standalone)Gms-u6b
(Chip Antenna)PA6C
(Patch Antenna)PA6H
(Patch Antenna)
(Antenna Advisor)

Antenna Modules

Gms-g9
(Patch Antenna)Gms-g6a
(Chip Antenna) * Galileo is coming soon!

GlobalTop's industrial grade module with ultra-high sensitivity (-165dBm). With its precise GNSS signal processing, the ultra-precise positioning under low receptive & high velocity conditions are made possible. It's well known for ISSCC2011 award winning 12 multi-tone active interference canceller.

Gmm-g3



EASY

Embedded assist system for fast TTFF; Internally calculates AGPS / satellite ephemeris data for up to 3 days.



Always Locate

An advance power periodic mode that trades position accuracy for even lower power consumption in order to maximize usage time.



Data Logging

Embedded GPS logger function without the need for extra host mcu or flash memory. Can record up to 2 days of GPS data.



Advance Time Sync

±10 ns accuracy 1PPS output. Timer function. Sync time stamp with external time source

*Common features for MT3339 & MT3333 Series

*Firmware Customization Service is available

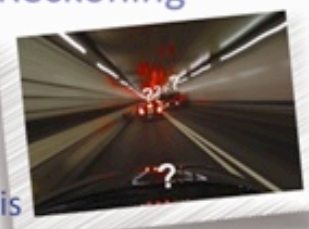


GPS + GLONASS
Beidou + Galileo*

Smart GPS Modules

Dead Reckoning

From this



To this



GlobalTop Vehicular Dead Reckoning System on module -Gnd-r5 combining high performance positioning module -Gmms-u2p facilitates dense urban navigation and constant positioning even in the lengthy tunnels and underground car parks making it suitable for vehicle locator. The system blends GPS NMEA input data with that of the sensors. The resulting output to your system is NMEA format and thus there is no need for any special software expertise.



Application

In-Dash Navigator • AVL

*Evaluation Kit is available. Please contact GlobalTop sales representative for more information.

GPS + MEMS Sensor Modules

With extensive expertise in cost-effective compact in size GPS module, GlobalTop is now offering sensor fusion "algorithm-ready" modules to navigation system developers wishing to reduce effort on algorithms while faster time-to-market. It is designed to offload μ Processor, hence achieving greater power saving and reduce development cost.

Highlights

- Tilt compensated compass reading
- Precise altitude measurement for floor detection via pressure sensor
- GlobalTop's smart algorithm optimizes GPS location accuracy at poor signal
- Provide I2C interface supporting Gyroscope & Pressure sensor & E-compass (3-axial magnetometer and 3-axial acceleration sensor)
- Support fall detection feature with 3-axial accelerometer for personnel safety application
- Functionality customization is available!

Application

Handheld Device, Walkie-Talkie
Digital Camera & Video Recorder
Medical and Personal Safety Monitoring
Asset Tracking, Automatic Vehicle Locator (AVL)
UAV & UGV



16 mm
x
16 mm



FOX-1
(Patch Ant.)

13 mm
x
15 mm



FOX-2
(Standalone)